

Clean Room/Clean Tent Particle Counter

Portable airborne particle counter with USB Port that will record at a sample rate of 50 LPM. It will be used to record particle reading in the test facility clean-room and clean tents

Particle Counter Specification:

- Four particle channel sizes: 0.3, 0.5, 1.0, and 5.0 micron
- 20,000 particles per liter concentration limit
- 50 LPM sample flow rate with automatic flow control
- Communicates via Ethernet Modbus with TCP/IP capability (10/100 base T) IP address must be able to be set by NASA Administrators.
- Data transfer via USB port
- Meets or exceeds ISO 21501-4
- Fully self-contained; Built-in Battery Replacement (9.6 volts)
 - o Battery operation time of 4.5 to 5.5 hours continuous sampling
 - o Built in charger for charging the battery
- AC adapter cord
- TFT color LCD, 1/4 VGA touch screen display
- 3000 samples: Date, Time, four Particle channels, flow, ID, Sample Volume, transferable to PC via Ethernet or USB jump drive
- Programmable for all particle channels and flow
- Power: auto switching: 100-240 VAC, 47/63 Hertz
- Operating range of 0-36 C, 10-90 RH
- Air and Nitrogen gas compatibility
- 1/2 inch exhaust fitting
- Isokinetic sample probe w/ 10ft tubing
- Filtered exhaust required
- 20 pound weight limit
- Works with Win 7 Ultimate or Enterprise